

CLAIMS

What is claimed is:

- 5 1. A skimmer and filter unit for use with a body of water, comprising:
 a tank portion;
 a skimmer chamber within said tank portion; and
 an ultraviolet light chamber within said tank portion.
- 10 2. The skimmer and filter unit of claim 1 further comprising a pump chamber within said tank
 portion.
3. The skimmer and filter unit of claim 1 further comprising a filter chamber within said tank
 portion.
- 15 4. The skimmer and filter unit of claim 1 wherein said tank portion comprises:
 an upright approximately cylindrical tank; and
 a neck extending from said tank, said neck comprising a weir faceplate
 assembly.
- 20 5. The skimmer and filter unit of claim 4 wherein said weir faceplate assembly comprises:
 an interchangeable weir faceplate defining a weir opening;
 a pivoting weir door;
 a weir divider slidable into mating slots of said neck to form a fluid conduit that
25 coincides with the dimensions of said weir opening.

6. The skimmer and filter unit of claim 4 wherein said weir faceplate assembly comprises a locking tab for securing a weir door in a closed position.

5 7. The skimmer and filter unit of claim 1 further comprising an interlocking lid mating to said tank portion for reducing deformation of said tank portion by an environment.

8. The skimmer and filter unit of claim 7 wherein said lid comprises a coarse exterior surface for increased frictional contact with external surroundings.

10 9. The skimmer and filter unit of claim 1 wherein said ultraviolet light chamber comprises an interior and an exterior defined by said tank portion, said interior for containing an ultraviolet light, said exterior for receiving a mount, said mount comprising mating slots for receiving a locking ring affixed to said ultraviolet light.

15 10. The skimmer and filter unit of claim 1 wherein said ultraviolet light chamber is in fluid communication with said skimmer chamber.

11. The skimmer and filter unit of claim 2 further comprising a bypass valve positioned between said pump chamber and said skimmer chamber.

20

12. The skimmer and filter unit of claim 3 wherein said ultraviolet light chamber is in fluid communication with said filter chamber.

13. The skimmer and filter unit of claim 3 further comprising a pump chamber, said pump
25 chamber in fluid communication with said filter chamber.

14. A method of treating water from a body of water, the method comprising the steps of:
receiving water through a weir opening;
skimming water received through the weir opening; and
subjecting the received water to ultraviolet light.

5

15. The method of claim 14 further comprising the step of directing the water through a filter chamber.

16. The method of claim 14 further comprising the step of directing the water from a
10 skimming chamber downward and toward an ultraviolet light chamber.

17. The method of claim 14 further comprising the steps of:
sensing the water level in a pump chamber; and
operating a bypass valve between a pump chamber and a skimmer chamber
15 based upon the sensed water level.

18. A method of treating water from a body of water, the method comprising the steps of:
receiving water through a weir opening located at an upper portion of an upright
tank;
20 skimming water with a skimmer basket located downstream and approximately
beneath the weir opening;
directing skimmed water through a unidirectional port defined in a lower portion
of a partitioning wall of the upright tank to an ultraviolet light chamber;
subjecting the water to ultraviolet light;
25 directing the water from the ultraviolet light chamber to a filter chamber; and
directing the water from the filter chamber to a pump chamber.